

42P16989 RECEIVED
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DEC 12 2006

Amendments to the Claims:

1(Currently amended). A method to demodulate a signal comprising:
receiving modulated data by an antenna;
storing the received modulated data in a buffer;

~~configuring a first datapath from several predefined configurations to receive the modulated data from the antenna, wherein a type of data encoding for the received modulated data stored in the buffer for a first user establishes a protocol that determines a the configuration selected for the first datapath corresponds to a protocol of the received modulated data;~~

~~configuring a second datapath from the several predefined configurations to receive the modulated data from the antenna, wherein the configuration selected for the second datapath corresponds to a protocol of the received modulated data based on a protocol for the type of data encoding for the received modulated data stored in the buffer for the second user; and~~

~~operating the first and second datapaths in parallel to demodulate the received modulated data of multiple users the first user and the second user.~~

2(Previously presented). The method of claim 1 wherein configuring the first datapath further includes using a first controller to provide the configuration selected for the first datapath and configuring the second datapath includes using a second controller to provide the configuration selected for the second datapath.

3(Currently amended). The method of claim 1 further including using a first output buffer coupled to the first datapath and a second output buffer coupled to the second datapath to store data for the first user and the second user ~~multiple users~~.

Claims 4-16 (Canceled).

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17(Currently amended). A system for demodulating signals comprising:

an antenna;

first and second datapaths coupled to the antenna;

an input buffer to store the data received by the antenna and provide the data to the first datapath and to the second datapath; and

a first controller to select a protocol and configure the first datapath to accept modulated data from the antenna and provide demodulated data in accordance with the protocol and a second controller to configure the second datapath to operate in parallel with the first datapath.

18(Canceled).

19(Previously presented). The system of claim 17 further including a first output buffer for storing the demodulated data from the first datapath and a second output buffer coupled to the second datapath.